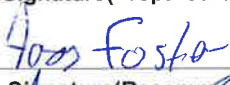

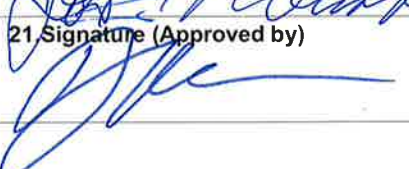


BRUSH DISPOSAL TREATMENT PLAN (Ref. FSH 2409.19)	1. Forest Willamette		2. District/Unit Middle Fork			
	3. Sale Name FIRST THIN(10164)		4. Award Date			
5. Compartments or GIS Reference	6. Type of Plan <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final	7. Purchaser		8. Contract Number		
	<input type="checkbox"/> Revision #					
9. List of Projects		10. Work Activity	11. Unit of Work	12. Cost Per Unit	13. No. of Units	14. Cost
Fuel Inventory		HF	Acres	\$59.50	520.0	\$30,939
Underburn - Low Intensity (Majority of Unit)		HF	Acres	\$1,116.12	427.0	\$476,581
Burning of Piled Material		HF	Acres	\$364.34	93.0	\$33,884
Fireline Construction		HF	Miles	\$5,280.00	0.0	\$0
Piling of Fuels, Hand or Machine		HF	Acres	\$610.00	0.0	\$0
15. Total Project Cost						\$541,404
16. National Program Support						\$224,683
17. Total Cost of Funded Work (Sum of line 15 and 16) (Required Bid Deposit Amount)						\$766,087
18. Remarks: Combined Total Cost of BD Funded Work: \$766,087 Forest Collection Rate : 10.00% National Collection Rate for Program Support: 41.5% Inflation Rate: 2% Rate Remarks: Forest Rate PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.						
19. Signature(Prepared by) 		Title Fuels		Date 4/Aug 2016		
20. Signature(Recommended by) 		Title FMO		Date 8/4/2016		
21. Signature (Approved by) 		Title Deputy District Ranger		Date 8/4/16		

First Thin Timber Sale
Brush Disposal Treatment Plan Narrative Statement

- **Fuels Inventory**

Conduct post-harvest fuels inventories on all Units (total of 520 acres) for the preparation of the Burn Plan for each unit requiring prescribed burning in accordance with the silvicultural prescription.

\$59.00/acre x 520 acres = \$30,939 (includes 10.00% Forest Collection Rate and 2% Inflation Rate)

- **Underburn-Low Intensity (Majority of Unit)**

Conduct underburning on selected units (total of 427 acres) to reduce slash to standards and guidelines, reduce fuels hazard and general forest health. This includes the burning of any roadside or landing piles created from logging operations. Selected units are: #1, #7, #9, #10, #11, #12, #13, #90, #101, #102, #103, #104, #111, #121, #131, #701, #702, and #801.

\$1,116.12/acre x 427 acres = \$476,581 (includes 10.00% Forest Collection Rate and 2% Inflation Rate)

- **Burning of Piled Material (Within the Units)**

Conduct burning of purchaser created piles within selected units (total of 93 acres) to reduce slash to standards and guidelines, reduce fuels hazard and general forest health. This includes the burning of any roadside or landing piles created from logging operations. Selected units are: #14, #602

\$364.34/acre x 93 acres = \$33,884 (includes 10.00% Forest Collection Rate and 2% Inflation Rate)

15. Total Project Cost: \$541,404

16. National Program Support Cost (line 15 multiplied by National Program Support Rate 41.5%): \$224,683

17. Total Cost of Funded Work (Sum of line 15 and 16) (Required Bid Deposit Amount): \$766,087

Purchaser Responsibility: (Not BD collection items)

Fireline Construction

Purchaser shall construct fireline on units #1, #7, #9, #10, #11, #12, #13, #90, #101, #102, #103, #104, #111, #121, #131, #701, #702, and #801 as shown on Sale Area Maps (approximately 17 miles). Fireline will be constructed by hand, shall be a continuous line not less than 12 inches wide and cut down to a depth that reaches mineral soil. All purchaser created slash shall be cleared to a width of not less than 5 feet on each side of the fireline, this can be measured from the center of fireline. In addition, on slopes over 50 percent all purchaser created slash needs to be cleared to a width of 25 feet across the entire top of the unit (20 feet on the downhill side of the fireline and 5 feet on the uphill side of the fireline). This is to be measured from the center of the fireline. All purchaser created slash must be scattered 10 feet or more from the edge of the 20ft downhill buffer (measured 20-30ft downhill from center of fireline). No piling or windrowing will be accepted. Logs crossing the fireline must be bucked and removed 5ft on both sides

measured from center of fireline. Fireline will be constructed with appropriate water drainage using natural contours and waterbars. Any fireline located at the bottom of a unit that has a slope over 50 percent shall be constructed in the form of a cup trench with the berm on the downhill side. Fireline shall be completed on each unit pursuant to B6.31 and B6.7, or as soon as weather and soils conditions permit. Fireline will generally follow unit boundaries and is shown on Sale Area Map. Fireline will not be constructed through special habitats as shown on the Sale Area Map.

Estimated cost: *Handline Construction.* \$5280/mile x 17 Miles = \$89,760

Machine Piling of Material within Units

A. Slash to be piled

The purchaser is responsible for machine piling all purchaser created slash within entire units (totaling 93 acres). Units to be machine piled are #14, #602 as shown on sale area map. Material to be piled will include all purchaser created slash at least 1 inch in diameter on the small end, and at least 3 feet in length. This may include chunks, broken tops, and limbs, branches, rotten wood, and brush, damaged or destroyed reproduction, and saplings or poles created by any type of vegetative cutting or clearing.

B. Location of piles

Piles will be located so as to minimize damage to standing green trees during burning. Unless otherwise approved by Forest Service, piles will be constructed to be equal distance between the boles of standing green trees, or at least 20 feet from a standing green tree where the trees are farther apart. Piles will not be placed where they will interfere with functioning of drainage structures, ditches, or stream channels.

C. Construction, size and covering of piles

Piles shall be constructed using a 'lift and stack' method using equipment with a hydraulic attachment mechanism capable of constructing piles that are compact and free of dirt and rocks. Completed piles shall be approximately 10 feet by 10 feet and shall not exceed 10 feet in height. All piles shall be covered with polyethylene plastic 4 mil thick plastic sheeting. Plastic should cover 80 percent or more of the pile. Plastic shall be placed over the top of the pile, draping down evenly on all sides. Corners of plastic shall be tied down and an adequate amount of burnable material shall be placed on top to ensure plastic will not blow away or shift in high winds or storms. That will ensure safe and adequate ignition can be achieved to allow consumption of piles.

Estimated cost: *Machine piles within units.* \$610/acre x 93 = \$56,730

Detailed listing of Brush Disposal Activities (Working Copy)		(1) Proclaimed Forest Williamette	(2) District/Unit Middle Fork							
(3) Sale Name FIRST THIN(10164)		(4) Award Date		(5) Compartment Or GIS Reference						
(6) Type of Plan [X] Original [] Final [] Revision #		(7) Purchaser		(8) Contract Number						
(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code		(14) BD Funded Projects		
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
0618100008002592001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	3.0	\$178	3.0	\$178
0618100008002592002	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	5.0	\$297	5.0	\$297
0618100008002592003	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	78.0	\$4,641	78.0	\$4,641
0618100008002592004	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	7.0	\$416	7.0	\$416
0618100008002592005	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	6.0	\$357	6.0	\$357
0618100008002592006	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	6.0	\$357	6.0	\$357
0618100008002592007	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	2.0	\$119	2.0	\$119
0618100008002706001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	10.0	\$595	10.0	\$595
0618100008002847001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	2.0	\$119	2.0	\$119
0618100008002847002	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	3.0	\$178	3.0	\$178
0618100008002858001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	21.0	\$1,249	21.0	\$1,249
0618100008002858002	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	34.0	\$2,023	34.0	\$2,023
0618100008002858001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	12.0	\$714	12.0	\$714
0618100008018186000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	42.0	\$2,499	42.0	\$2,499
0618100008018186001	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	14.0	\$833	14.0	\$833
0618100008018187000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	87.0	\$5,176	87.0	\$5,176
0618100008018188000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	81.0	\$4,819	81.0	\$4,819
0618100008018189000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	6.0	\$357	6.0	\$357
0618100008018190000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	4.0	\$238	4.0	\$238
0618100008018191000	Fuel Inventory	ACTIVITY FUELS	HF	Acres	\$59.50	BDBD	97.0	\$5,771	97.0	\$5,771
0618100008002592001	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	3.0	\$3,348	3.0	\$3,348

(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code			(14) BD Funded Projects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
0618100008002592002	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	5.0	\$5,581	5.0	\$5,581
0618100008002592003	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	78.0	\$87,057	78.0	\$87,057
0618100008002592004	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	7.0	\$7,813	7.0	\$7,813
0618100008002592005	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	6.0	\$6,697	6.0	\$6,697
0618100008002592006	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	6.0	\$6,697	6.0	\$6,697
0618100008002592007	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	2.0	\$2,232	2.0	\$2,232
0618100008002706001	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	10.0	\$11,161	10.0	\$11,161
0618100008002847001	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	2.0	\$2,232	2.0	\$2,232
0618100008002847002	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	3.0	\$3,348	3.0	\$3,348
0618100008002858001	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	21.0	\$23,438	21.0	\$23,438
0618100008002858002	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	34.0	\$37,948	34.0	\$37,948
0618100008018186000	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	42.0	\$46,877	42.0	\$46,877
0618100008018186001	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	14.0	\$15,626	14.0	\$15,626
0618100008018187000	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	87.0	\$97,102	87.0	\$97,102
0618100008018189000	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	6.0	\$6,697	6.0	\$6,697
0618100008018190000	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	4.0	\$4,464	4.0	\$4,464
0618100008018191000	Underburn - Low Intensity (Majority of Unit)	ACTIVITY FUELS	HF	Acres	\$1,116.12	BDBD	97.0	\$108,263	97.0	\$108,263
0618100008008200001	Burning of Piled Material	ACTIVITY FUELS	HF	Acres	\$364.34	BDBD	12.0	\$4,372	12.0	\$4,372
0618100008018188000	Burning of Piled Material	ACTIVITY FUELS	HF	Acres	\$364.34	BDBD	81.0	\$29,512	81.0	\$29,512
Subtotal for Fund Code BDBD								\$541,404		
0618100008002592008	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPP	0.3	\$1,584		
0618100008002592009	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPP	0.5	\$2,640		
0618100008002592010	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPP	0.5	\$2,640		

(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code			(14) BD Funded Projects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
0618100008002592011	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	1.8	\$9,504		
0618100008002592012	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.5	\$2,640		
0618100008002592014	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.5	\$2,640		
0618100008002706002	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.7	\$3,696		
0618100008002847004	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.5	\$2,640		
0618100008002847005	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.3	\$1,584		
0618100008002858004	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	1.2	\$6,336		
0618100008002858005	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	1.2	\$6,336		
0618100008018186002	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	1.5	\$7,920		
0618100008018186003	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	1.0	\$5,280		
0618100008018187001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	3.5	\$18,480		
0618100008018189001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.6	\$3,168		
0618100008018190001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.4	\$2,112		
0618100008018191001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	2.0	\$10,560		
0618100008008200001	Piling of Fuels, Hand or Machine	AF-INC COVR	HF	Acres	\$610.00	PPPP	12.0	\$7,320		
0618100008018188000	Piling of Fuels, Hand or Machine	AF-INC COVR	HF	Acres	\$610.00	PPPP	81.0	\$49,410		

15. Total BD work funded

\$541,404

16. National Program Support

\$224,683

17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)

\$766,087

18. Remarks:	Combined Total Cost of BD Funded Work:	\$766,087
	Forest Collection Rate:	10.00%
	National Collection Rate for Program Support:	41.5%
	Inflation Rate:	2%
	Rate Remarks:	
PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.		